Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/15/2020 11:12 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124272	-1	3.41	124358	3.42
Blue	F	SSC	125000	124937	-1	2.44	125700	2.43
Blue	E	FITC	15892	15551	-3	3.14	338	21.27
Blue	D	PE	29999	29378	-3	2.30	640	15.22
Blue	B	PerCP-Cy5-5	43732	43745	0	4.03	1175	22.00
Blue	A	PE-Cy7	30845	31145	0	6.64	589	43.90
Red	C	APC	46112	45284	-2	2.59	1602	12.15
Red	A	APC-Cy7	30458	29586	-3	2.50	781	11.89
Violet	B	V450	7918	7567	-5	4.26	427	13.48
Violet	A	V500	32171	31751	-2	4.00	741	10.67

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17126	17.52	637	16	N/A	N/A	Pass
Blue	F	SSC	56952	1.79	577	18	N/A	N/A	Pass
Blue	E	FITC	61	68.96	553	10	0.0180	179	Pass
Blue	D	PE	132	52.61	559	11	0.1594	304	Pass
Blue	B	PerCP-Cy5-5	213	53.73	668	12	0.0077	42	Pass
Blue	A	PE-Cy7	105	114.20	712	14	0.0097	25	Pass
Red	C	APC	382	25.70	587	3	0.0248	196	Pass
Red	A	APC-Cy7	172	28.43	559	3	0.0057	918	Pass
Violet	B	V450	66	58.87	463	5	0.0437	1668	Pass
Violet	A	V500	110	37.72	480	6	0.0238	1443	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.67	-32.12	0.97
Blue	20.34	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.43
Red	16.20	13.60 - 20.40	N/A	N/A	29.44	30.03	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10284

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments